

REMARKS/ARGUMENTS

Reexamination of the captioned application is respectfully requested.

A. SUMMARY OF THIS AMENDMENT

By the current amendment, Applicants basically:

1. Amend claims 3 and 5.
2. Cancels claim 8 without prejudice or disclaimer.
3. Respectfully traverse all prior art rejections.

B. THE PRIOR ART REJECTIONS

Claims 3-5 and 7-10 stand rejected under 35 USC 103(a) as being unpatentable over U.S. Patent 7,113,158 to Fujiwara et al in view of U.S. Patent 7,446,733 to Hirimai and further in view of U.S. Publication 2007/0152934 to Maeda. All prior art rejections are respectfully traversed for at least the following reasons.

C. PATENTABILITY OF THE CLAIMS

The subject matter of at least independent claims 5 and 8 is generally directed to prevention of crosstalk in a 3D display apparatus, especially crosstalk due to diffraction phenomenon caused at narrow gap sections included in a pixel pattern (see, for example, paragraphs [0011] through [0013] of the specification).

The narrow gap sections causing the aforementioned crosstalk is derived, e.g., from the shape of the auxiliary capacitor wiring. The inventors have specifically determined finding that narrow gap sections are created in a pixel pattern by the shape of the auxiliary capacitor wiring, and the diffraction phenomenon at the narrow gap sections thus created causes crosstalk.

Claims 3 and 5 have been amended to include the limitation of (now cancelled) claim 8: “the auxiliary capacity wiring has a narrower line width at an intersection with a

source line than a line width in a pixel pattern". See, e.g., the embodiment illustrated in Fig. 5(a). The Fig. 5(a) embodiment facilitates load reduction by reducing an area of a intersecting portion of a source line and an auxiliary capacity wiring, but in so doing provides aperture portions having a narrow gap, which gap becomes a cause of the crosstalk.

The office action rejects claim 8 by relying on paragraph [0328] and Fig. 2 of Maeda. However, Maeda paragraph [0328] and Maeda Fig. 2 do not disclose, e.g., Applicants' claimed shape of auxiliary capacity wiring.

In particular, neither Kim nor Maeda discloses auxiliary capacity wiring having such shape, and does not disclose aperture sections having a narrow gap between the source line and the auxiliary capacity wiring. Although Kim discloses that the space between the data line 41 and the common electrode 16 can decrease and the aperture ratio can be improved, the space is not an aperture section having a narrow gap which causes crosstalk due to diffraction phenomenon. Maeda does not disclose a light shielding film provided to avoid light entering aperture sections having a narrow gap and positioned between the auxiliary capacity wiring and the source line.

Claims 11, 15, and 18 define that the aperture sections are spaces between the signal lines and the auxiliary capacitors (auxiliary capacity lines). Such aperture sections are not disclosed in the applied references. Accordingly, claims 11, 15, and 18 are not obvious over any combination of the cited references.

D. MISCELLANEOUS

In view of the foregoing and other considerations, all claims are deemed in condition for allowance. A formal indication of allowability is earnestly requested.

The Commissioner is authorized to charge the undersigned's deposit account #14-1140 in whatever amount is necessary for entry of these papers and the continued pendency of the captioned application.

Should the Examiner feel that an interview with the undersigned would facilitate allowance of this application, the Examiner is encouraged to contact the undersigned.

Respectfully submitted,
NIXON & VANDERHYE P.C.

By: /H. Warren Burnam, Jr./
H. Warren Burnam, Jr.
Reg. No. 29,366

HWB:brc
901 North Glebe Road, 11th Floor
Arlington, VA 22203-1808
Telephone: (703) 816-4000
Facsimile: (703) 816-4100